

REMARKS

In the Notice of Non-Compliant Amendment dated July 13, 2009, the Examiner asserts that “[t]he amendment document filed on 23 April 2009 is considered non-compliant...” However, since Applicants did not file any documents on April 23, 2009, Applicants assume for purposes of this response that the Examiner intended to refer to Applicant’s last Amendment and Response, filed on April 3, 2009.

In response to the Notices of Non-Compliant Amendment dated March 11, 2009 and July 13, 2009, Applicants submit herewith revised amendments to the specification, which correct the deficiencies noted by the Examiner.

Specifically, in response to the Examiner’s statement in the Notice of Non-Compliant Amendment dated March 11, 2009 that the paragraph on page 10, line 31, to page 11, line 14, has been amended from “T indicates” to “T indicated” without proper indication, Applicants respectfully note that the term should properly remain as “T indicates” and, as such, no change is necessary. Additionally, in response to the Examiner’s assertion that the amendment to page 56 was already entered per Applicants’ response of January 5, 2005, Applicants have deleted the amendment to page 56 from the instant response.

In response to the Examiner’s statement in the Notice of Non-Compliant Amendment dated July 13, 2009 that line 7 on page 11 has been changed from “omega” to “O” without properly indicating such change, Applicants respectfully submit that this term should properly remain “omega”, *i.e.*, Ω , and no change is necessary.

Additionally, Applicants respectfully note that the paragraph at page 11, line 5 has been amended to correct an obvious typographical error, *i.e.*, “blow” has been changed to “below”.

Further, in the Office Communication dated October 16, 2008, the Examiner states that the previous Sequence Listing did not comply with the requirements of Sections 1.821-1.825 for the stated reason that “SEQ IDs 7-12 are not homo sapiens sequences or variants of homo sapien sequences, but represent artificial sequences which are consensus sequences between different proteins.”

Accordingly, in response, Applicants submit herewith a substitute paper copy and computer readable copy of the Sequence Listing that corrects the defect noted. Also, enclosed is a statement that the contents of the paper copy and the computer readable copy of the Sequence Listing are the same as required by 37 C.F.R. § 1.821(f). A copy of the Notice to Comply with

Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures is also enclosed. *No new matter has been added to the substitute Sequence Listing.*

CONCLUSION

In view of the above amendments and remarks set forth above, it is respectfully submitted that this application is in condition for allowance. If there are any remaining issues or the Examiner believes that a telephone conversation with Applicants' Attorney could be helpful in expediting prosecution of this application, the Examiner is invited to call the undersigned at (617) 227-7400.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. RUJ-001CNRCE2.

Dated: August 13, 2009

Respectfully submitted,

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